

CAT5/6/7 Component/VGA & Audio with Bi-Directional RS232 & IR Smart Baluns™



KD-VACTX

Component/VGA Video, Analog Audio, Digital Audio, and IR/RS-232 Control over Single CAT5/6/7 Transmitter Balun

Tx



KD-VACWPRX

Component/VGA Video, Analog Audio, Digital Audio, and IR/RS-232 Control over Single CAT5/6/7 Wall Plate Receiver Balun

Rx



KD-VACRX

Component/VGA Video, Analog Audio, Digital Audio, and IR/RS-232 Control over Single CAT5/6/7 Receiver Balun

Rx



Specifications

Technical:

- » Inputs/Outputs: 1Vpp/75Ω VGA/UXGA on an HD15 female connector; YPrPb 1Vpp/75Ω on VGA male to three RCA female breakout cable (included); 1 0dBu/1kΩ, 0.5V/75Ω Stereo analog balanced or unbalanced audio on a Phoenix connector; 1 digital S/PDIF audio on RCA connector; 1 digital S/PDIF optical audio on a Toslink connector; RS-232 Tx, Rx lines and ground on Phoenix connector; wired IR bi-directional modulated or un-modulated on Phoenix connector; 1 CAT5 on shielded RJ45 connector (video/audio/data)
- » Resolution: Up to UXGA; 1080p
- » Equalization and Gain Adjustment: Auto adjustment in the KD-VACRX or KD-VACWPRX by continued CAT5 cable length measurement up to 1,000 ft.
- » RS-232 Link: Tx line, Rx line, and ground always active 0-5V TTL or +/- 10V DC coupled, baud rate up to 115,200. Input and output are baud rate transparent.
- » Wired IR Link: 0-5V or +/- 10V DC coupled, bi-directional, modulated or un-modulated, data transparent
- » K-Factor: 0.22 % @ optimal EQ
- » Video Isolation (Crosstalk): -45 dB @ 5 MHz
- » Analog Audio Max Input/Output Level: 4dBu on AC coupling (input); 4dBu on DC coupling (output)
- » Audio Bandwidth: 20Hz to 20kHz, @ 0dBu
- » Analog Audio Sample Rate Conversion: 48kHz
- » Resolution Conversion: 24 bits
- » Power: External Power Supply – 5V DC / 1A; UL Certified

Key Features

- » Extends VGA (RGBHV) or Component (YPrPb) Video, L/R Analog, PCM, or Toslink Digital Audio, IR and RS-232 over a single CAT5/6/7 cable
- » Supports all SD, HD, and VESA (VGA, SVGA, XGA, WXGA, SXGA, UXGA) resolutions up to 1080p (60Hz & 50Hz)
 - » SD & HD: 480i, 480p, 720p, 1080i, 1080p
 - » VESA / VGA (RGBHV): From 640x480p up to 1920x1200p
- » Includes breakout cable for Component Video
- » Auto Video Equalizer Compensation when used with KD-VACRX or KD-VACWPRX
- » Optimized for UTP cables

Key Benefits

- » Transmits VGA (RGBHV) or Component (YPrPb) Video signals up to 1,000 feet over a standard UTP CAT5/6/7 cable
- » Can handle all standard audio formats, stereo formats, digital S/PDIF
- » Can be used with other FatCAT Series™ Baluns, and the KD-MSCAT8X8 Hercules Series™ Switchers

General

- » Regulation: CE, RoHS, WEEE
- » Enclosure (KD-VACTX, KD-VACRX): Black Metal
- » Enclosure (KD-VACWPRX): Wall Plate
- » Product Weight: 0.6 lb
- » Shipping Weight: 1 lbs
- » Product Dimensions: L = 2.75" W = 3" H = 1.5"
- » Shipping Carton Dimensions: L = 4.75" W = 8" H = 3"
- » Accessories: Mounting Clip, VGA to 5-Wire Breakout Cable, Power Supply

System Design Example

